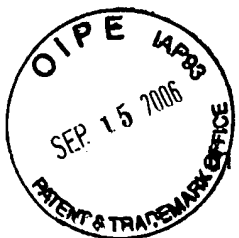


1Fw



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re application of: Alexander SNELL et al.

Examiner:

Application No.: 10/590,187

Group No.:

Filed: 08/17/2006

For: METHOD FOR PRODUCING ALKYLENE GLYCOL DIETHERS

Commissioner for Patent
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

CERTIFICATION UNDER 37 C.F.R. Sections 1.8(a) and 1.10*
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Dear Sir:

In accordance with the duty of disclosure provisions of 37 CFR §1.56, there is hereby provided certain information which the Examiner may consider material to the examination of the subject U.S. patent application. It is requested that the Examiner make this information of record if it is deemed material to the examination of the subject application. No admission is made that the information cited in this Statement is, or is considered to be, material to patentability nor a representation that a search has been made (other than search report(s) from a counterpart foreign application or a PCT International Search Report, if submitted herewith).

1. ☒ Enclosures accompanying this Information Disclosure Statement are:
 - 1a. ☒ Form PTO-1449 (PTO/SB/08a and/or PTO/SB/08b).
 - 1b. ☒ Copies of Information Disclosure Statement citations.
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2. ☐ This Information Disclosure Statement is filed under 37 CFR §1.97(b) with the filing of the U.S. patent application. Accordingly, no fee or §1.97(e) Statement is required.
3. ☒ This Information Disclosure Statement is filed under 37 CFR §1.97(b) before the latter of three months after the U.S. patent application filing date or the first Office Action on the merits. Accordingly, no fee or §1.97(e) Statement is required.
4. ☐ This Information Disclosure Statement is filed under 37 CFR §1.97(c) after the first Office Action on the merits, but before a Final Office Action or a Notice of Allowance. The \$180.00 fee set forth in 37 CFR §1.17(p) in accordance with 37 CFR §1.97(c) is to be charged to Deposit Account No. 03-2060.
5. ☐ This Information Disclosure Statement is filed under 37 CFR §1.97(e) in that each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. Accordingly, no fee is required.
6. ☐ This Information Disclosure Statement is filed in conjunction with a Request For Continued Examination. Accordingly, no fee or §1.97(e) Statement is required.
7. ☐ The English language documents identified by reference in the TRANSLATION Section of the foreign patents list of the attached 1449 Form are believed to be a concise statement, or the equivalent or substantial equivalent to the foreign language documents cited in the attached 1449 Form.
8. ☒ In addition to the documents cited, the Office's attention is directed to the following co-pending U.S. Application Serial Number(s) :
Application No. 11/197,984, 08/05/2005, published as 2006 0030740
Application No. 11/256,126, 10/21/2005, published as 2006 0089515

Respectfully submitted,



Richard P. Silverman, Registration No. 36,277

CUSTOMER NO. 25,255

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Telephone: 704/331-7156, Facsimile: 704/331-7707

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(Use as many sheets as necessary)

Sheet 1 of 3

Complete if Known

Application Number	10/590,187
Filing Date	08/17/2006
First Named Inventor	Alexander SNELL
Art Unit	
Examiner Name	
Attorney Docket Number	2004DE407

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA	US- 3,972,949	08/03/1976	ARPE	
	AB	US- 4,146,736	03/27/1979	SCHEFFEL	
	AC	US- 4,760,200	07/26/1988	KEEN	
	AD	US- 4,579,982	04/01/1986	BRIGGS	
	AE	US- 5,811,062	09/22/1992	WEGENG	
	AF	US- 2,001,029,294	10/11/2001	NICKEL	
	AG	US- 6,469,147	10/22/2002	NICKEL	
	AH	US-			
	AI	US-			
	AJ	US-			
	AK	US-			
	AL	US-			
	AM	US-			
	AN	US-			
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	BA	DE 24 34 057	08/03/1976	HOECHST	See AA Page 1	<input type="checkbox"/>
	BB	DE 26 40 505	12/22/1977	HOECHST	See AB Page 1	<input type="checkbox"/>
	BC	DE 31 28 962	02/10/1983	HOECHST	See CA Page 3	<input type="checkbox"/>
	BD	DE 30 25 434	02/05/1981	NISSO PETROCHEM		<input type="checkbox"/>
	BE	DD 24 62 57	06/03/1987	ADADEMIE DE WISSENSCHAFTEN		<input type="checkbox"/>

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Sheet 2 of 3

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Application Number	10/590,187
Filing Date	08/17/2006
First Named Inventor	Alexander SNELL
Art Unit	
Examiner Name	
Attorney Docket Number	2004DE407

U. S. PATENT DOCUMENTS

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		Number-Kind Code ² (if known)			
	AA	US-			
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	AG	US-			
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	AL	US-			
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	BA	DE 39 26 466	12/19/1996	MESSERSCHMIDT	See CB Page 3	<input type="checkbox"/>
	BB	DE 10 04 0100	02/28/2002	CLARIANT	See AF & AG Page 1	<input type="checkbox"/>
	BC					<input type="checkbox"/>
	BD					<input type="checkbox"/>
	BE					<input type="checkbox"/>

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		Application Number	10/590,187
		Filing Date	08/17/2006
		First Named Inventor	Alexander SNELL
		Art Unit	
		Examiner Name	
Sheet 3	of 3	Attorney Docket Number	2004DE407

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	English Language Abstract for DE3128962, 02/10/1983	<input type="checkbox"/>
	CB	English Language Abstract for DE 3926466, 12/19/1996	<input type="checkbox"/>
	CC	EHRFELD, W., et al., MICROREACTORS, Ullmann's Encyclopedia of Ind. Chem., 06/15/2000, Wiley-VCH Verlag GmbH, Germany	<input type="checkbox"/>
	CD	K. WEISSERMEL, et al., Industrielle Organische Chemie, 1998, page 179	<input type="checkbox"/>
	CE	H. KESTENBAUM, et al., "SILVER-CATALYST OXIDATION OF ETHYLENE TO ETHYLENE OXIDE IN A MICROREACTOR SYSTEM", Ing. Eng. Chem. Res., 01/22/2002, Vol. 41, pp 710-719	<input type="checkbox"/>
	CF	International Search Report for PCT/EP2005001236, 05/24/2005	<input type="checkbox"/>
	CG	English Language Abstract for DE 3025434, 02/05/1981	<input type="checkbox"/>
	CH	English Language Abstract for DD246257, 06/03/1987	<input type="checkbox"/>
	CI		<input type="checkbox"/>
	CJ		<input type="checkbox"/>

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